Amendments to the Claims

The following listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. – 20. Cancelled.

21.   (previously presented) A computer implemented method for analyzing the content of a digital image, comprising:

receiving an image selection that uniquely identifies a digital image stored in a data storage area comprising a plurality of digital images;

receiving an algorithm selection that uniquely identifies a set of image processing instructions, wherein the image processing instructions carry out an analysis of the content of the digital image and do not modify the content of the digital image;

receiving a set of image processing parameters;

retrieving a first sub-region of the digital image from the data storage area;

executing the set of image processing instructions on the first sub-region;

storing the results of the image processing on the first sub-region;

retrieving a second sub-region of the digital image from the data storage area;

executing the set of image processing instructions on the second sub-region;

storing the results of the image processing on the second sub-region; and

combining the stored results from the first sub-region with the stored results of the second sub-region into an analysis of the digital image.

22.   (original) The method of claim 21, wherein the digital image comprises a plurality of sub-regions and each sub-region is processed such that the set of image processing instructions is executed on the entire digital image.

23. – 25. Cancelled.

26.   (new) The method of claim 21, wherein receiving an image selection comprises receiving an image selection via a data communication network.

27.   (new) The method of claim 21, wherein receiving an algorithm selection comprises receiving an algorithm selection via a data communication network.

28.   (new) The method of claim 21, wherein receiving a set of image processing parameters comprises receiving a set of image processing parameters via a data communication network.

29.   (new) The method of claim 21, wherein the set of image processing parameters controls the execution of the image processing instructions.

30.   (new) The method of claim 21, wherein the set of image processing parameters defines a sub-region of the selected digital image.

31.   (new) The method of claim 21, wherein retrieving a first sub-region comprises retrieving the first sub-region via a data communication network.

32.   (new) The method of claim 21, wherein retrieving a first sub-region comprises retrieving the first sub-region from a local data storage area.

33.   (new) A computer implemented system for analyzing the content of a digital image, comprising:

    an execution manager configured to receive an image selection that uniquely identifies a digital image stored in a data storage area comprising a plurality of digital images, receive an algorithm selection that uniquely identifies a set of image processing instructions, wherein the image processing instructions carry out an analysis of the content of the digital image and do not modify the content of the digital image, and receive a set of image processing parameters;

    an image handler configured to retrieve a first sub-region of the digital image from the data storage area, execute the set of image processing instructions on the first sub-region, and store the results of the image processing on the first sub-region;

wherein the image handler is further configured to retrieve a second sub-region of the digital image from the data storage area, execute the set of image processing instructions on the second sub-region, and store the results of the image processing on the second sub-region;

wherein the image handler is further configured to combine the stored results from the first sub-region with the stored results of the second sub-region into an analysis of the digital image.

34.   (new) The system of claim 33, wherein the data storage area is accessed via a data communication network.

35.   (new) The system of claim 33, wherein a plurality of image processing algorithms are stored in the data storage area.

36.   (new) The system of claim 33, wherein the image processing algorithm comprises a plurality of subroutines.

37.   (new) The system of claim 36, wherein the execution manager receives at least a portion of the plurality of subroutines via a data communication network.

38.   (new) The system of claim 37, wherein the execution manager retrieves at least a portion of the plurality of subroutines from the data storage area.

39.   (new) The system of claim 33, wherein the execution manager is further configured to receive a plurality of parameters, wherein the parameters define a sub-region of the digital image retrieved from the data storage area.

40.   (new) The system of claim 33, wherein the execution manager is further configured to receive a plurality of parameters, wherein the parameters control the execution of the image processing algorithm instructions.